Streetlight INTELLIGENCE®

Lumen IQ®

Commander Field Service Module

General Use Guide

Document Number: UIG-000024
Issue Date: May 12, 2010
Revision: 1.0

Revision History

Rev.	Date	Author	Description
1.0	May 12, 2010	B. Jensen V. Warrior D. Postle	Initial Release.

Copyright 2008-10 Streetlight Intelligence Inc. All rights reserved. Patents pending in the United States and other jurisdictions.

Streetlight Intelligence™, Lumen IQ™, “creating eco-logically brilliant communities”™, and their respective logos are trademarks of Streetlight Intelligence Inc. StreetlightIQ.com and LumenIQCentral.com are domain names of Streetlight Intelligence Inc.

Other products and services mentioned in this document are identified by the trademarks or service marks of their respective companies or organizations.

No part of this publication, or any software included with it, may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, including photocopying, electronic, mechanical, recording or otherwise, without the prior written permission of the copyright holder. Streetlight Intelligence Inc. (“SLQ”) provides this document as is, without warranty of any kind either expressed or implied included, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. SLQ may make changes or improvements in the equipment, software, or specifications described in this document at any time and without notice. These changes may be incorporated in new releases of this document.

This document may contain technical inaccuracies or typographical errors. SLQ and its subsidiaries waive responsibility for any labor, materials, or costs incurred by any person or party as a result of using this document. SLQ and any of its subsidiaries or other affiliates shall not be liable for any damages (including, but not limited to, consequential, indirect or incidental, special damages, or loss of profits or data) even if they were foreseeable and SLQ has been informed of their potential occurrences arising out of or in connection with this document or its use.

Computer Software Copyrights - The SLQ products described in this manual include copyrighted SLQ computer programs stored in semiconductor memories and other media. Laws in Canada and other countries preserve for SLQ certain rights for copyrighted computer programs, including the exclusive right to copy or reproduce in any form the copyrighted computer program. Accordingly, no part of this software, or any documentation included with it, may be reproduced, stored in a retrieval system, or transmitted in any form of by any means, including photocopying, electronic, mechanical, recording or otherwise. Unauthorized reproduction or distribution of this program, or any portion of it may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under the law. Furthermore, purchase of SLQ products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents or patent applications of SLQ. except for the normal non-exclusive license to use that arises by operation of laws in the sale of the product.

Government Approvals - User must, at its expense, obtain and maintain any government approvals, consents, licenses authorizations, declarations, filings and registrations as may be necessary or advisable for use of SLQ software and associated documentation. User must also pay, and indemnify, SLQ for any sales taxes, use taxes, and any other taxes imposed by any jurisdiction as a result of the use of SLQ’s software and associated documentation.

Restricted Rights - Use, duplication, or disclosure of commercial computer software and its associated documentation under SLQ’s copyrights and/or trade secret rights is subject to the restricted rights set forth herein. User’s use of the software and associated documentation in any manner constitutes user’s agreement to these restricted rights.

Distribution to U.S. Government Agencies - Licensee will comply with all applicable laws rules and regulations to preclude the acquisition of unlimited rights to technical data, software, and documentation provided with the software to a governmental agency, and ensure the inclusion of the appropriate “Restricted Rights” or “Limited Rights” notices required by the U.S. Government agencies.

U.S. Government Export Restrictions User shall adhere to the U.S. Export Administration Regulations (EAR), currently found at 15 C.F.R. Sections 730 through 744, and shall not export or re-export or release the technology, software, or any source code to a national of a country in Country Groups D:1 or E:1, or export to Country Groups D:1 or E:1 the direct product of such technology, if such foreign produced direct product is subject to national security controls as identified on the Commerce Control List (currently found in Supplement 1 to Section 774 or EAR), unless property authorized by the U.S. Government. These export requirements shall survive any expiration or termination of this Agreement.

Title: Streetlight Intelligence Lumen IQ® Commander Field Service Module – General Use Guide.

Streetlight Intelligence Inc.
#19 – 6782 Veyaness Road
Victoria, British Columbia
Canada V8M 2C2
Tel: 1.250.544.0147
Fax: 1.250.544.0148

This page intentionally left blank

Table of Contents

Using This Guide i
Who Should Use This Guide i
How to Use This Guide i
Notices and Conventions ii
Comments ii
1. Introduction 1
2. The Commander Handheld Device 1
2.1 Charging the Battery 1
2.2 Date and Time Update Required 2
2.3 Keyboard and Buttons 2
2.4 Writing on the Screen 4
2.4.1 Using the Onscreen Keyboard 5
2.4.2 Using Block Recognizer 6
2.4.3 Using Letter Recognizer 6
2.4.4 Using Transcriber 7
2.5 Using the GPS 7
2.5.1 Acquiring GPS Reading 7
2.5.2 Capturing a GPS Reading 7
2.5.3 GPS Bearing and Distance 8
2.6 Using the Bar Code Scanner 8
3. The Commander Application 9
3.1 Starting the Application 9
3.2 Logging In 10
3.3 Connecting to the Central Database 11
3.3.1 Establish Active Sync Connection 11
3.3.2 Synchronize Commander with Central 12
3.3.3 Software Updates 13
4. Communications Between Commander Handheld and Gateway 13
4.1.1 Status of Commander Handheld Connection to the Gateway 15
4.1.2 Checking Gateway Status Using the Gateway LEDs 15
4.1.3 Gateway Timeout Error 16
Appendix 17
A. Intermec GPS Settings 17
B. Commander Settings 17

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

List of Figures

Figure 1 - Intermec CN3 1
Figure 2 - Power and Screen Light Buttons 2
Figure 3 - Features of the Main Windows Display Screen 3
Figure 4 - The Keyboard Functions 3
Figure 5 - Scroll and Tab Keys 4
Figure 6 - Scroll and Tab Keys 5
Figure 7 - Scroll and Tab Keys 5
Figure 8 - Scroll and Tab Keys 6
Figure 9 - Scroll and Tab Keys 6
Figure 10 - Scroll and Tab Keys 7
Figure 11 - Bearing and Distance Display 8
Figure 12 - Barcode Scanner Functionality 9
Figure 13 - Start Menu 10
Figure 14 - Commander Log In Screen 11
Figure 15 - *Connected* Status for Active Sync 12
Figure 16 - Commander Main Screen Sync with Central Button 12
Figure 17 - Synchronize with Central Status Area 13
Figure 18 – Commander Gateway Serial Number ID (Barcode) 14
Figure 19 - Barcode Scanner Functionality 14
Figure 20 - Gateway Indicators 15
Figure 21 - Commander Gateway LED Indicators 16

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

USING THIS GUIDE

Who Should Use This Guide

This document is intended for use by personnel that will be using the Commander Handheld and Commander application in the field. It assumes that the user already has a general knowledge of the Lumen IQ® Adaptive Lighting System overall and the components of the Lumen IQ® Commander Field Service Module.

How to Use This Guide

This document assumes that:

1. The user is familiar with the following documents Lumen IQ® Adaptive Lighting System Overview
2. The Lumen IQ® Commander Field Service Module components including the Lumen IQ® Commander Docking Station and Lumen IQ® Commander Gateway are installed and setup as outlined in the Lumen IQ® Commander Field Service Module Installation and Setup Guide.

This document is meant to be used for product familiarization prior to performing field service. For additional field service information, the following documents are provided:

1. Lumen IQ® Luminaire Enabling Kit - Retrofit Manual, Model: C225, C300
2. Lumen IQ® Assembly Management (Luminaire Assembly and Controller Activation) User Manual
3. Lumen IQ® Adaptive Lighting System Installation and Maintenance Manual
4. Lumen IQ® Controller Installation and Operations Manual, Model: C225
5. Lumen IQ® Controller Installation and Operations Manual, Model: C300
6. Lumen IQ® Controller Installation and Operations Manual, Model: L300
7. Lumen IQ® Controller Installation and Operation Manual FP-PM-01 and FP-LS-02 Supplement, Models: C225
8. Lumen IQ® Controller Installation and Operation Manual FP-PH-01 Supplement, Models: C225, C300, L300
9. Lumen IQ® Station Installation and Operations Manual

Other system documents available include:

1. Lumen IQ® Central Asset Management System User Manual
2. Lumen IQ® Assembly Management Module Installation and Setup Guide
3. Lumen IQ® Central Asset Management System Installation Guide

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

Notices and Conventions

Symbol	Meaning
	Indicates the presence of dangerous voltage within and outside the product enclosure that may constitute a risk of electric shock, serious injury, or death if proper precautions are not followed.
	Indicates the presence of hazards that may cause minor or moderate injury, damage to property, or damage to the device itself if proper precautions are not followed.
	Directs attention to important installation, operating, and maintenance instructions.

Comments

If you have comments, questions, or corrections related to this guide, please contact:

Streetlight Intelligence Inc.
#19 – 6782 Veyaness Road
Victoria, British Columbia
Canada V8M 2C2
Telephone: 1.250.544.0147
Fax: 1.250.544.0148

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

1. Introduction

The primary purpose of this User's Guide is to provide users of the Lumen IQ® Commander Field Service Module with an introduction to:

- How the use the features of Lumen IQ® Commander Handheld (Intermec CN3)
- How the Commander application works including the look and feel of the user interface and the underlying principles of operation.
- How to establish and verify communication between the Commander Handheld and Commander Gateway.

2. The Commander Handheld Device

The Commander Handheld is an Intermec CN3 handheld computer which runs the Windows Mobile 5 operating system and includes:

- GPS
- Wifi 802.11
- Barcode scanner
- Basic QWERTY keyboard
- Touch screen

Commander is normally shipped with a 14 hour battery.

Figure 1 - Intermec CN3

2.1 *Charging the Battery*

The battery pack should be fully charged before you use the CN3 for the first time. If temperatures are within the battery charging range of 0° to 40°C (32° to 104°F), the standard battery pack takes up to four hours to charge; the extended battery pack takes up to five hours. The handheld should be returned to the

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

docking station and the docking station should be powered up to charge the handheld computer.

The appearance of the steady green light on the status LED implies that the device is 95% charged.

2.2 *Date and Time Update Required*

Upon receiving the Commander Handheld (and anytime after the battery has been removed or drained) check that the date and time are correct.

2.3 *Keyboard and Buttons*

The Commander Handheld is powered on and off using the yellow Power button. While powered up, the screen can be turned off to conserve power and turned back on for viewing using the Screen Light button. The screen can also be turned on by touching the screen.

Figure 2 - Power and Screen Light Buttons

On initial power up the main windows screen will be displayed.

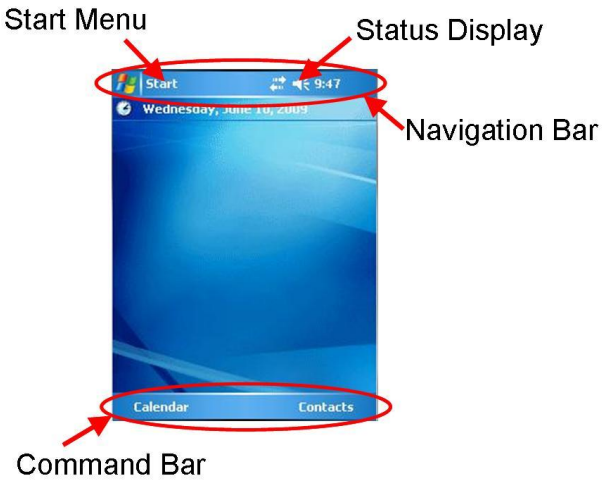

Figure 3 - Features of the Main Windows Display Screen

The power button suspends, wakes up, or powers down (resets) the device depending on how the Power button is used.

Suspend	Press power button (yellow) button once.
Exit Suspend	Press power button once (wait for device to wake up).
Soft Reset	Press and hold the power (yellow) button for 10 seconds.

If the device is suspended, the current applications will remain open and will be available immediately when the device exits suspend mode (wakes up). The suspend mode conserves battery power while undocked or unplugged from the vehicle power adapter.

Figure 4 - The Keyboard Functions

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

The keyboard uses the standard QWERTY layout for the letters. The Shift key is used for Capital letters. Numbers, special characters, and capital lock feature (shown in yellow lettering above applicable key on the keyboard) require the Function Key to be selected. The yellow light to the left of the function key indicates that this will be applied to the next keyboard selection. The light will turn off after the next key selection. The function key can be deselected by pressing the function key twice (the light turns off).
The scroll and tab keys are available to scroll through text, tab through fields, and add tabs in text.

Figure 5 - Scroll and Tab Keys

2.4 *Writing on the Screen*

Your computer has a stylus for selecting items and entering information on the touch screen.

- Tap touch the screen once with the stylus to select options, open or close applications, or launch menus from the Command bar.
- Drag and hold the stylus on the screen and drag across the screen to select text.

You can either type using the *onscreen keyboard* or write using *Block Recognizer, Letter Recognizer, or Transcriber*. In either case, the characters appear as typed text on the screen. Use the Input Panel to select the type of keyboard or writing methods. Tap the Input Panel icon in the bottom task bar to show the Input Panel. Tap the arrow next to the Input Panel icon to see your choices.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

Word Completion is available with keyboard and writing input methods. When Word Completion is turned on, Commander anticipates the word you are typing or writing and displays it above the input panel. When you tap the displayed word, it is inserted into your text at the insertion point. Tap the arrow next to the Input Panel icon and select Options to enable Word Completion.

Figure 6 - Scroll and Tab Keys

2.4.1 Using the Onscreen Keyboard

To display the touch screen keyboard, tap the keyboard icon displayed on the bottom taskbar. On the soft keyboard that is displayed, tap the keys with your stylus.

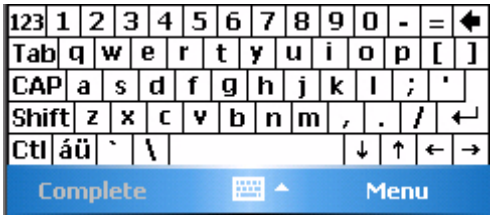

Figure 7 - Scroll and Tab Keys

- To type a single uppercase letter or symbol, tap the Shift key. To tap multiple uppercase letters or symbols, tap the CAP key.
- To convert to uppercase, tap the shift key first, or hold the stylus on the keyboard letter, drag up.
- To add a space, tap the space key, or drag the stylus to the right across at least two keys.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

- To backspace a character, tap the backspace key or drag the stylus to the left across multiple keys.
- To insert a carriage return, tap the enter key, or tap and hold the stylus anywhere on the keyboard and drag down.
- To use larger keys, tap the input panel arrow, tap Options, select *Keyboard* from the Input method drop-down list, then select *Large*

2.4.2 Using Block Recognizer

Character recognition software gives you a fast and easy method for entering information. Letters, numbers, and punctuation you write are translated into typed text.

Tap the input panel arrow, then tap Block Recognizer. Write a letter in the box. When you write a letter, it is converted to typed text that appears on the screen. For specific instructions on using Block Recognizer, with Block Recognizer open, tap the question mark next to the writing area.

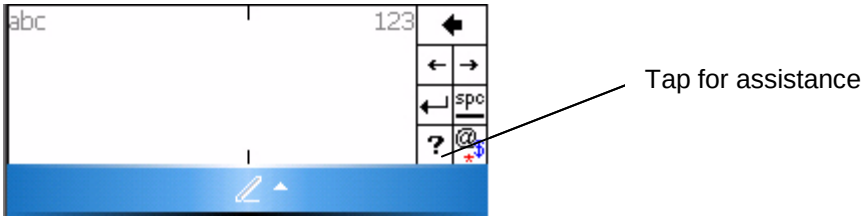

Figure 8 - Scroll and Tab Keys

2.4.3 Using Letter Recognizer

With Letter Recognizer, you can write letters using the stylus just as you would on paper.

Tap the input panel arrow, then tap Letter Recognizer. Write a letter in the box. When you write a letter, it is converted to typed text that appears on the screen. For specific instructions on using Letter Recognizer, with Letter Recognizer open, tap the question mark next to the writing area.

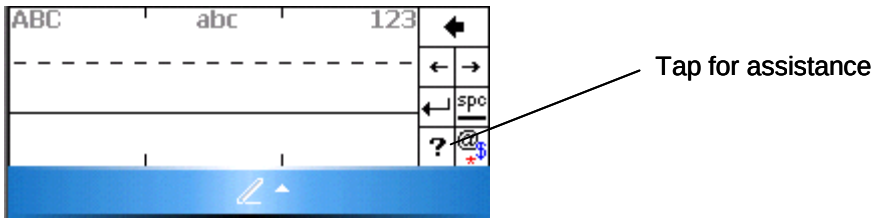

Figure 9 - Scroll and Tab Keys

2.4.4 Using Transcriber

With Transcriber, you can write anywhere on the screen using the stylus just as you would on paper. Unlike Letter Recognizer and Block Recognizer, you can write a sentence or more of information. Then, pause and let Transcriber change the written characters to typed characters.

Figure 10 - Scroll and Tab Keys

Refer to the Intermec website (www.intermec.com) for complete CN3 documentation.

2.5 *Using the GPS*

The Commander Handheld device has an onboard GPS module. The accuracy varies from 3 meters to 25m. Best results are achieved when there is good satellite coverage (more satellites in better range), GPS receiver is stationary, and the readings are measured over a period of several minutes.

Because GPS satellites are in motion, as well as going out of or coming into view, the GPS values are constantly recalculated even if the receiver is stationary. This means the accuracy will constantly be changing.

2.5.1 Acquiring GPS Reading

Ensure the GPS settings are set as described in Appendix A.

After reboot or exiting suspend mode the device may take several minutes to acquire a GPS reading. Generally this may take only a few minutes but allow for up to 15 minutes.
If there is no GPS reading after 15 minutes check the Intermec GPS settings (refer to Appendix A.) If the settings are correct, exit Commander and execute a soft reset by pressing and holding the power button.

2.5.2 Capturing a GPS Reading

The onboard GPS can be used to capture the GPS location of poles as part of a pre-installation survey or during the installation. If the pole locations are captured prior, then Central can be used to assign work on specific poles to different individuals or teams.

Commander displays the current GPS latitude and longitude readings as well as the number of Satellites being used to calculate these readings. In order to

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

capture a pole location, the user must lock the displayed GPS latitude and longitude prior to creating the new pole location.

The accuracy of your pole location depends on the number of satellites Commander uses and your proximity to the pole. Commander should be held as close as possible and allowed to settle for a minute or so before locking the GPS readings. For more information on Adding Poles, see section **Error! Reference ource not found.**.

2.5.3 GPS Bearing and Distance

On some screens Commander indicates the distance and bearing from the current location to the location of a pole.

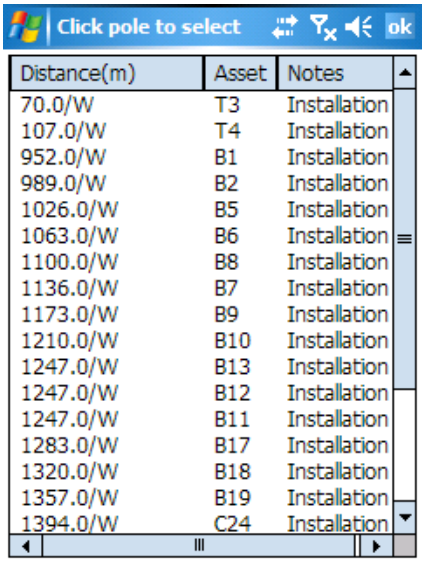

Figure 11 - Bearing and Distance Display

The distance calculation uses *two* GPS positions, a very short measurement period and assumes the earth to be a perfect sphere, which it is not. For these reasons distance accuracy can only be within approximately 25 meters and becomes less reliable at distances less than 30 meters.

2.6 *Using the Bar Code Scanner*

The Commander Handheld has a built in Optical Scanner that is used to read barcodes. The Optical Scanner is located on the top of the device. The scanner is activated by pressing the lower blue button on the left side of the device, or large blue button in the top row of the front keypad.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

Figure 12 - Barcode Scanner Functionality

The barcode scanner is used to scan the Luminaire ID and Controller ID during installation and maintenance. Although the scanner has 2.0 Megapixel resolution, the scan interpretation is still very dependent on the quality of the scan label. As a backup, the Luminaire and Controller IDs may be entered manually using the keyboard.

To use the Scanner

- Point the scanner window a few inches from the bar code label, and hold steady.
- Press the **Scan** button and center the red aiming beam over the bar code label. The aiming beam is smaller when the scanner is closer to the bar code and larger when it is further away. For best results, position the scanner as close and as perpendicular to the bar code as possible while still being able to capture the entire bar code with the aiming beam.

3. The Commander Application

3.1 *Starting the Application*

The first time the Commander software is started, the Commander Handheld must be able to connect to the Central database. This means that the Commander Handheld must have access to the Internet while inserted in the

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

Commander Docking Station connected to a computer (refer to section entitled Lumen IQ® Commander Field Service Module Installation and Setup Guide).

Start the Commander Application by selecting “Commander” from the Intermec Windows Start menu (or from the Windows Programs screen). The Login Screen will be displayed.

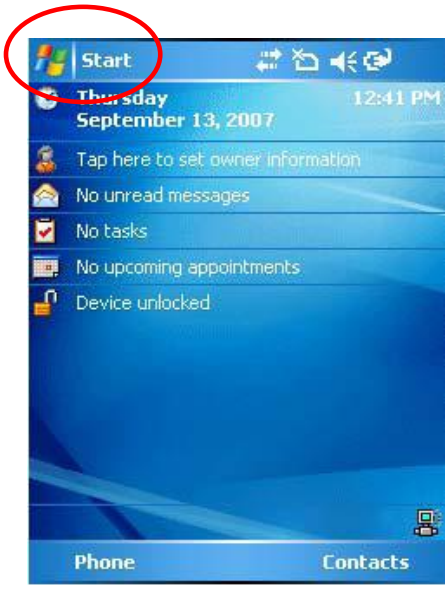

Figure 13 - Start Menu

3.2 *Logging In*

A user name and password is required for Commander. This user name and password is setup in the Lumen IQ® Central Asset Management System (Central). With the appropriate privileges, the same username and password provide access to the Central client.

If there are multiple Commander Handhelds and/or users, it is important to have a separate username for each user. Work is assigned to individual users and appropriate data is transferred to the Commander Handheld based on the user logged into the device when the unit is synchronized with Central.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

Figure 14 - Commander Log In Screen

The first login requires a network connection, but future logins do not (user password is locally encrypted).

The Login Screen is displayed whenever the Commander application is started. You must enter your user name and password to enable Commander. If your password on the server changes continue to use your old password until you have a network connection, then use the new password. Commander will verify the new password with Central when connected.

3.3 *Connecting to the Central Database*

Commander must communicate with the Central database regularly to get information required to support installation and maintenance activities (work orders), transfer completed work information back to Central, and to get software updates that may be required.

3.3.1 Establish Active Sync Connection

Connection to Central requires the Commander Handheld to be docked in the Commander Docking Station with Active Sync running and establishing a communications channel through Active Sync. To do this:

1. Place the Commander Handheld in the Commander Docking Station.

The Commander Handheld will automatically turn on and Active Sync will start on the computer and establish a connection to the Commander Handheld.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

A communications channel through Active Sync has been successfully established when the following screen will be displayed on the computer with the Status identified as *Connected*.

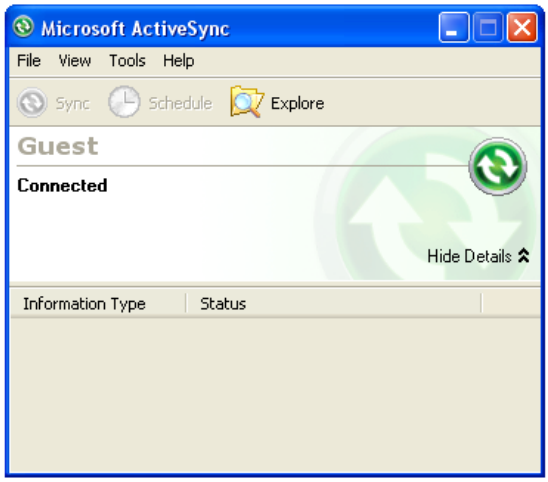

Figure 15 - *Connected* Status for Active Sync

3.3.2 Synchronize Commander with Central

Once a connection has been establish through Active Sync, Commander can be synchronized with Central to get configuration updates, download installation and maintenance work orders, or upload installation and maintenance data. To synchronize with Central:

1. On the Commander Handheld, start the Commander application by selecting the Start Menu → Commander.
2. In the Commander application, select the “Sync with Central” button on the main screen. This button is disabled if Commander is not properly cradled and connected to the computer.

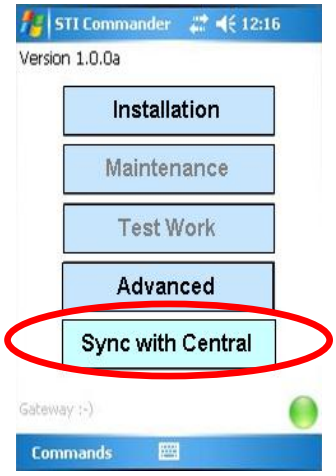

Figure 16 - Commander Main Screen Sync with Central Button

Data Synchronization may take several minutes. The status of Central's synchronization is displayed in a status area just below the Sync with Central button

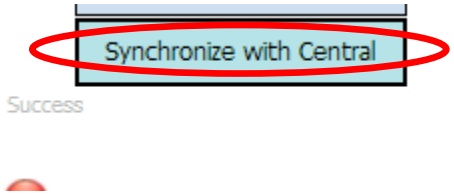

Figure 17 - Synchronize with Central Status Area

3.3.3 Software Updates

The user should check for software updates at least once per week and when notified by Streetlight Intelligence of an available software upgrade. To execute this function, a connection must first be established through Active Sync. To update software:

1. On the Commander Handheld, start the Commander application by selecting the Start Menu → Commander.

2. Select Commands → Check for Software Update.

This will update the software.

This command should be run at least once per week and when notified by Streetlight Intellivence of an available software upgrade.

4. Communications Between Commander Handheld and Gateway

When changing Commander Handheld and Gateway pairings or if communications is lost, establish communications between the Commander Handheld through a specific Commander Gateway by performing the following steps:

1. If the Commander Handheld or Gateway are new, ensure Commander Handheld has been synchronized with Central so that it has the latest configuration (which includes the list of Commander Gateways configured for your system). Refer to Section 3 above.
2. Ensure the Gateway is powered.
3. Ensure the Commander Handheld is running the Commander application.
4. Using the Commander Handheld barcode scanner, scan in the Commander Gateway serial number ID:

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

a. Point the optical scanner window a few inches from the bar code label, and hold steady.

b. Press the Scan (activation) button and center the red aiming beam over the bar code label.

Figure 18 – Commander Gateway Serial Number ID (Barcode)

Figure 19 - Barcode Scanner Functionality

If communications is successfully established, a green Gateway icon indicates Commander is ready to communicate with Lumen Controllers.

The following two subsections provide more information regarding Commander Handheld and Gateway communications status monitoring.

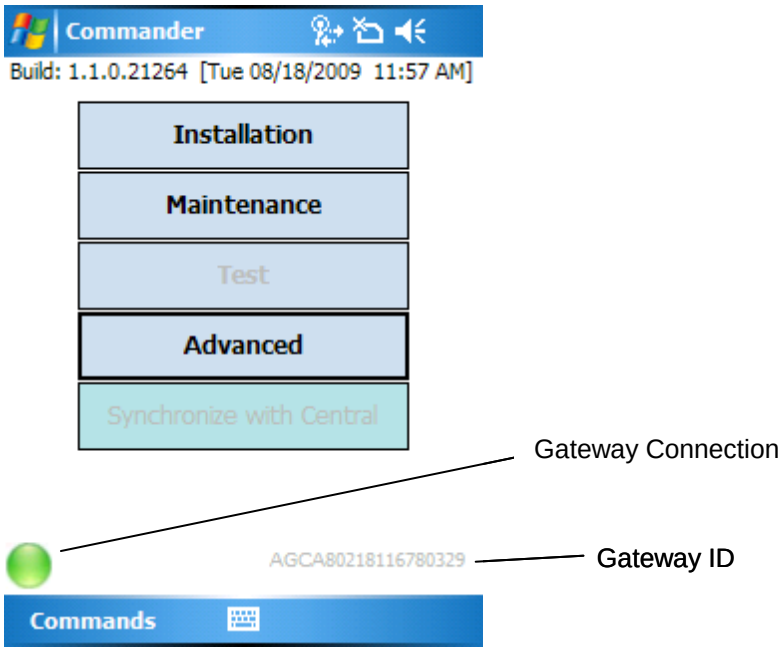

Figure 20 - Gateway Indicators

4.1.1 Status of Commander Handheld Connection to the Gateway

Commander displays a Gateway link indicator at the bottom left hand side of the screen just above the Commands Menu. A status area to the right of the Gateway indicator displays the serial number of the Gateway Commander is communicating with. The Gateway indicator has 3 states:

	Indicates Commander cannot communicate with the scanned Gateway. If there is no Gateway serial number displayed to the right of the indicator, you must scan in a valid Gateway ID barcode.
	Indicates Commander is attempting to establish communication with the scanned Gateway.
	Indicates Commander is connected to the scanned Gateway and is ready to communicate with Lumen Controllers.

4.1.2 Checking Gateway Status Using the Gateway LEDs

The Commander Gateway provides 4 status LED indicators on the back of the unit:

1. WiFiLink – This LED illuminates when the Commander Handheld has established a communications link with the Commander Gateway.
2. PWR – this LED illuminates when the Commander Gateway internal power supply is operational.
3. MeshData – this LED illuminates when data is being transferred from the streetlight network to the WiFi network.
4. WiFiData – this LED illuminates when data is being transferred from the WiFi network to the streetlight network.

Figure 21 - Commander Gateway LED Indicators

4.1.3 Gateway Timeout Error

There is a known issue with Windows Mobile where “enable proxy” becomes selected under Network Settings. If you see a “Gateway Timeout” error when attempting to sync with Central (and you are not using a proxy server) make sure proxy is not enabled.

To display the proxy settings: select *Settings* from the *Start* menu, tap the *Connections* icon, select the *Set up my proxy server* link, and select the *Proxy Settings* tab.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.

APPENDIX

A. Intermec GPS Settings

To check the GPS settings on Commander, use the Start flag toolbar to select Settings → System tab:

1. Tap the **GPS** icon

   On the *Programs* tab set:

   - *GPS program port:* **(None)**

   On the *Hardware* Tab set

   - *GPS hardware port to:* **COM3**
   - *Baud rate:* **57600**

   On the *Access* tab set

   - *Manage GPS Automatically:* ☑

Exit to the System tab and tap the **iGPS** icon.

On the *Power* tab set:

- *Fix Interval:* **0 seconds**

On the Advanced tab set:

- *Enable WASS:* ☑
- Enabled extended ephemeris: ☑

From Commander insure there is a network connection and select *Update GPS Ephemeris Data* from the main form command menu.

B. Commander Settings

The range (meters) used to locate the nearest pole can be modified in the Settings screen (main menu – Commands – Settings).

This screen also shows the current Commander build version.

Duplication Prohibited Without License From
Streetlight Intelligence Inc.